



#13

Received

DEC 03 1998 Sheet 1 of 1

Form PTO-1449 (Modified)
 List of Patents and Publications
 For Applicant's Information
 Disclosure Statement
 (Use several sheets if necessary)

Atty Docket No. **Group 2700** Serial No.

NRWB:003

08/727,505

Applicant
Paul A. Brown

Filing Date

Group 2602 **271**
Examiner

Jan. 17, 1997

Reference Designation			U. S. Patent Documents			
Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AL						
AM						
AN						
AO						
AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

<i>Ch</i>	AR	J. Gohari, "Power-Line Carrier," <u>Fundamentals Handbook of Electrical and Computer Engineering</u> , Vol. II, <u>Communication, Control, Devices, and Systems</u> , (Sheldon S. L. Chang, editor), John Wiley & Sons, New York, 1983, pp. 617-627.
	AS	
	AT	

Examiner *Chris Gray* Date Considered **11/26/98**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Form PTO-1449 (modified)

Atty. Docket No.
NRWB:003Serial No.
08/727,505List of Patents and Publications
for Applicants

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant
Paul A. BrownFiling Date:
01/17/97Group:
2602 2711

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
Ch	A1	5,717,685	02/10/98	Abraham	370	30	06/02/95
	A2						
	A3						

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
Ch	B1	WO 93/23928	11/25/93	PCT	HO4B	1/38	
	B2						
	B3						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
Ch	C1	Keith Nichols, "Build A Pair Of Line Carrier Modems," <u>Radio Electronics</u> , July 1988, pp. 87-91.
	C2	
	C3	
	C4	

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 GROUP 2700
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EXAMINER: Chris GrayDATE CONSIDERED: 11/26/99

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



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Sheet 1 of 1

Form PTO-1449 (MAY 1991)
 List of Patents and Publications
 For Applicant's Information
 Disclosure Statement
 (Use several sheets if necessary)

Atty Docket No.

Serial No.

NRWB:003

08/727,505

Applicant

Paul A. Brown

Filing Date

Jan. 17, 1997

Group

-2602-2711

Reference Designation

U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
CG	AA 3,696,383	10/72	Oishi et al.	340	310	
CG	AB 4,471,399	9/84	Udren	361	64	
CG	AC 4,517,548	5/85	Ise et al.	340	310 R	
CG	AD 5,406,249	4/95	Pettus	340	310.08	
AE						
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FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AL						
AM						
AN						
AO						
AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

AR		63 11 13
AS		63 11 13
AT		63 11 13
AU		63 11 09

Examiner *Chris Grant* Date Considered *11/26/98*

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Form PTO-1449 (Modified)
 List of Patents & Publications
 For Applicant's Information
 Disclosure Statement
 (Use several sheets if necessary)

Atty Docket No.

Serial No.

NRWB:003

08/727,505

Applicant

Paul A. Brown

Filing Date

Group 2602-274
Examiner

Jan. 17, 1997

Reference Designation

U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
SC	AA 5,684,450	11/97	Brown	340	310.02	
	AB 4,766,414	8/88	Shuey	340	310 A	
AC						
AD						
AE						
AF						
AG						
AH						
AI						
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GROUP 2100

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AL						
AM						
AN						
AO						
AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

SC	AR	Informal English translation of French Application No. 7621599 corresponding to French Patent 2,326,087 (Zellweger Uster S.A.)
	AS	
	AT	
	AU	

Examiner Chris Green Date Considered 11/28/98

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Form PTO-1449 (modified)List of Patents and Publications
For Applicant's Information

Disclosure Statement

(Use several sheets if necessary)

ATTY. DOCKET NO.
NRWB:003---SERIAL NO.
08/727,505

APPLICANT: PAUL A. BROWN

FILING DATE
January 17, 1997GROUP
2711**U.S. PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>Ch</i>		5,319,634	06/1994	Bartholomew et al.	370	18	
<i>Ch</i>		5,066,939	11/1991	Mansfield	340	310 R	
<i>Ch</i>		2,577,731	12/1951	Berger			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER (Author, Title, Journal, Volume, Pertinent Pages, & Date)

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EXAMINER

Chris Oant

DATE CONSIDERED

11/26/99

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Information Disclosure Statement--PTO-1449 (Modified)

#7

Form PTO-1449 (modified)		ATTY. DOCKET NO. NRWB:003---	SERIAL NO. 08/727,505
List of Patents and Publications For Applicant's Information		APPLICANT: PAUL A. BROWN	
Disclosure Statement			
(Use several sheets if necessary)		FILING DATE January 17, 1997	GROUP 2602 2711

U.S. PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
Ch		3,942,170 /	03/1976	Whyte	340	310 A	
Ch		4,142,178 /	02/1979	Whyte et al.	340	310 R	
Ch		4,475,209 /	10/1984	Udren	375	4	
Ch		5,068,890 /	11/1991	Nilssen	379	90	
Ch		5,148,144 /	09/1992	Sutterlin et al.	340	310 A	
Ch		5,497,142 /	03/1996	Chaffanjon	340	310.06	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Author, Title, Journal, Volume, Pertinent Pages, & Date)

EXAMINER	DATE CONSIDERED
<i>Chas. Cook</i>	11/26/89

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)

Form PTO-1449 (Modified) List of Patents and Publications for – Applicant's Information Disclosure Statement	Atty Docket No.:	Serial No.: 08/72785 PCT/GB95/00893
	NRWB:003	U.S. Serial No. unknown
	Applicant(s): Paul Anthony BROWN	
	Filing Date: Int'l.: 20 Apr. 1995 35 U.S.C. § 371: unknown	Group: unknown 271

U.S. Patent Documents

Exam. Init.	Patent Number	Issue Date	Inventor Name(s)	Class/Subclass	Filing Date
✓	1,547,242	7/1925	Strieby	—	
✓	3,993,989	11/1976	Held et al.	340/310 R	
✓	4,359,644	11/1982	Foord	307/40	
✓	4,367,522	1/1983	Forstbauer et al.	363/137	
✓	4,383,243	5/1983	Krügel et al.	340/310	
✓	4,409,542	10/1983	Becker et al.	324/57	
✓	4,419,621	12/1983	Becker et al.	324/51	
✓	4,772,870	9/1988	Reyes	340/310	
✓	4,912,553	3/1990	Pal et al.	358/86	
✓	5,477,091	12/1995	Fiorina et al.	307/66	11/1992

Foreign Patent Documents

Exam. Init.	Doc. Number	Date	Country	Class/Subclass	Translation Yes/No
✓	GB 2101857	1/1993	United Kingdom	H04B / 3/56	
✓	GB 1548652	7/1979	United Kingdom	H04B / 3/54	
✓	EP 0141673	5/1985	Europe	H04B / 3/56	
✓	WO92/16920	10/1992	PCT	H04B / 3/54	
✓	WO84/01481	4/1984	PCT	H04B / 3/54	
✓	WO 94/09572	4/1994	PCT	H04B / 3/54,3/56	



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Form PTO-1449 (Modified)
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 (Use several sheets if necessary)

Atty Docket No.

Serial No.

08/727,505

(PCT/GB95/00893)

Applicant

Paul A. Brown

Filing Date

Int'l 4/20/95

Group
Examiner

35 USC 371: 1/17/97

271

Reference Designation		U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
Ch	AA 4,479,033	11/84	Brown et al.	179	2.51	
Ch	AB 4,701,945	10/87	Pedigo	379	66	
Ch	AC 5,559,377	9/96	Abraham	379	66	6/94
Ch	AD 3,846,638	11/74	Wetherell	307	3	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
Ch	AL WO93/07693	4/93	PCT, WIPO	H04J	13/00	
Ch	AM 2,326,087	4/77	France	H04B	3/54	Abstract
Ch	AN WO94/09572	4/94	PCT, WIPO	H04B	3/54	
Ch	AO 2,272,350	5/94	Great Britain	H04B	3/56	
Ch	AJ WO90/13950	11/90	PCT, WIPO	H04B	1/50	

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

Ch	JP62120735, Patent Abstracts of Japan, Vol. 11 No. 341 (E-554) 2 June 1987, Kaoru et al., Method and Apparatus for Frequency Hopping Spread Spectrum Power Line Carrier Communication, 1 page.
Ch	JP62030428, Patent Abstracts of Japan, Vol. 11 No. 209 (E-521) 9 Feb. 1987, Kondo Tomio, Current Superposition Type High Frequency Circuit, 1 page.
Ch	JP1276933, Patent Abstracts of Japan, Vol. 14, No. 51 (E-0881) 30 Jan. 1990, Uchida Hiroshi, Transformer Bypass Circuit, 1 page.
AU	

Examiner *Ch* Date Considered *11/26/99*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Atty Docket: NRWB:003

Serial No.: unknown (PCT/GB95/00893)

Group Art Unit: unknown

08/727505

Other Information (including author, title, date, pertinent pages, etc.)

Ex. Init.	Description
<i>Ch</i>	J. R. Formby and R. N. Adams, "The Mains Network As A High Frequency Signalling Medium," The Electricity Council, Great Britain, Jan. 1970
<i>Ch</i>	J. M. Barstow, "A Carrier Telephone System for Rural Service," AIEE Transactions, Vol. 66, 1947, New York, NY, pp. 501-507.
<i>Ch</i>	I. C. Vercellotti & I. A. White, "Distribution Power Line Communications for Remote Meter Reading and Selective Load Control," Proceedings of the American Power Conference 1974, Vol. 36, pp. 1114-1119.
<i>Ch</i>	B. Ron Russell, editor, "Communication Alternatives for Distribution Metering and Load Management," Record of Panel Presentations, 1979 Summer Power Meetings, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 4, July/August 1980, IEEE, New York, NY, pp. 1448-1455.
<i>Ch</i>	Glen Lokken et al., "The Proposed Wisconsin Electric Power Company Load Management System," 1976 Nat. Telecomm. Conf., Dallas, Texas, Nov. 1976, IEEE, New York, NY, pp. 2.2-1 to 2.2-3.
<i>Ch</i>	J. H. Bull et al., "A Survey of Mains Signalling Within the UK," ERA Report No. 86-0038, ERA Technology Limited, Surrey, England, April 1986, pp. 1-52, AA.2-AA.5, FIGS. 1-33, Table I.
<i>Ch</i>	British Standards, "Signalling on low-voltage electrical installations in the frequency range 3KHz to 148.5KHz," BS EN 50065-1, 1992 (2 pages); Electromagnetic compatibility - Generic emission standard," BS EN 50081-1 (2 pages); "Telecontrol equipment and systems," BX 7407 (870-1-1) (1 page).
<i>Ch</i>	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kKz to 148.5 kHz, Part 4: Filters at the interface of the indoor and outdoor electricity network," EN 50 065-4 April 1992 (11 pages).
<i>Ch</i>	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Bank 3kKz to 148.5 kHz, Part 7: Equipment Impedance, EN 50 065-7 April 1992 (3 pages).
<i>Ch</i>	"Coaxial Feeder Cables," Engineering Notes, Publication Ref. No. TSP507/1, Pye Telecommunications Limited, Cambridge, England, June 1975, pp. 1-13.

EXAMINER: *Doris Gray*DATE CONSIDERED: 12/16/99

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